

Penstemon moriahensis N. Holmgren (1978)**MOUNT MORIAH BEARDTONGUE**

FAMILY: *Scrophulariaceae*, the figwort family.

STATUS:

Heritage Program SENSITIVE LIST, ranks: G1G2 S1S2

USFWS/ESA: none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** Humboldt-Toiyabe NF Sensitive Species.
NNNPS: watch list.

POPULATION CENSUS: 9 occurrences mapped; total estimated individuals 391+, total estimated area 4.5+ ha (11.1+ ac). **TREND:** unknown.

IMPACTS AND MAJOR THREATS: High mountain species, few threats - possibly mining.

INVENTORY EFFORT: Most recent entered survey 1990, average year of last survey 1985.

Years since last entered survey (percent of mapped records at various survey ages): **11-20 yrs:** 66.7%; **21-30 yrs:** 33.3%.

LAND MANAGEMENT in decreasing predominance: designated wilderness, Humboldt-Toiyabe National Forest, U. S. Bureau of Land Management.

RANGE: White Pine County, Nevada. **Nevada endemic.** Maximum **range dimension 55.9 km (34.7 mi)** excluding most disjunct record. **Type specimen** collected in White pine County.

ELEVATIONS RECORDED: 7100-10800 feet (2164-3292 meters).

HABITAT: Open, gravelly and/or silty carbonate soils in drainages, on gentle slopes, and on road banks or other recovering disturbances with enhanced runoff, in the subalpine conifer, subalpine sagebrush, mountain mahogany, and upper pinyon-juniper zones.

PHENOLOGY: flowering late-spring to summer. Range of most frequent **survey months:** June-July.

LIFE-FORM AND HABIT: short-lived perennial herb.

DESCRIPTION: A short-lived perennial herb, up to 5 dm tall, with blue, funnel-shaped flowers that bloom in June and July.

PHOTOGRAPHS: Anderson et al. (1991).

ILLUSTRATIONS: Anderson et al. (1991), Cronquist et al. (1984), Holmgren (1978), Mozingo and Williams (1980).

SPECIFIC REFERENCES:

Holmgren, N. H. 1978. Three new species of *Penstemon* (*Scrophulariaceae*) from the Intermountain Region. *Brittonia* 30: 416-425.

Lyman, J. and A. Sanders. 1993. Mount Moriah botanical survey, Mount Moriah Wilderness-Humboldt National Forest, White Pine County, Nevada. Riverside: University of California, DRAFT report prepared for the Humboldt National Forest, Ely, Nevada.

OF FURTHER INTEREST: Distinct species in a large genus.
